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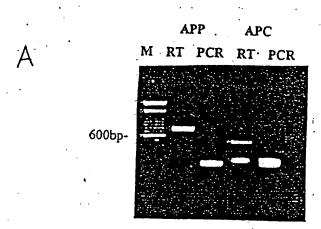
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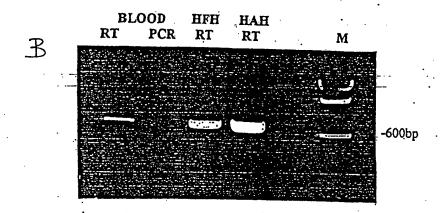
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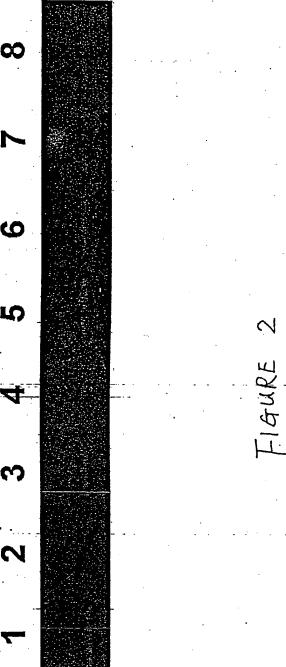
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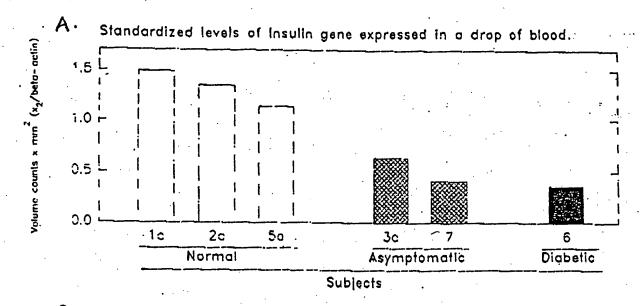


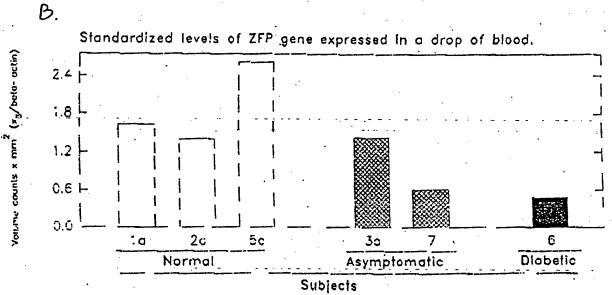


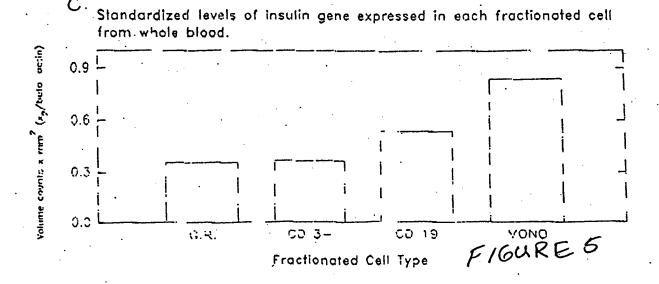
1 2 3

ZFP GADH

INS







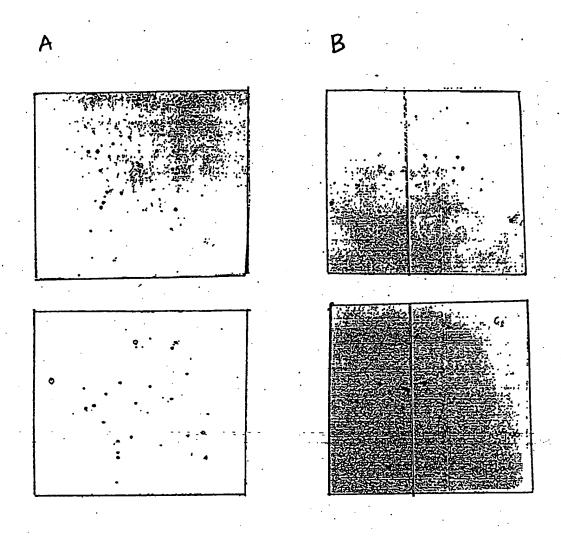


FIGURE 6

Total :13, 283 ESTs

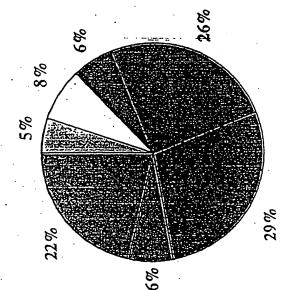
Known: 6,283 Mitochondrial: 405 Ribosome: 498

Cell Division

Repeat: 868

Mis.: 156 Novel: 2,718

Human Blood



☐ Cell Signalling/Communication

M Cell structure/Motility

- Cell/organism defense
- 国 Gene/Protein expression
- Metabolism

國 Unclassified

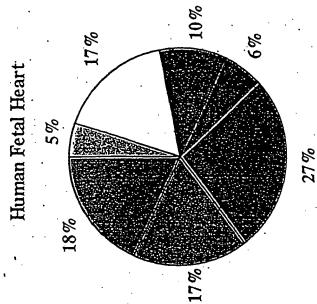
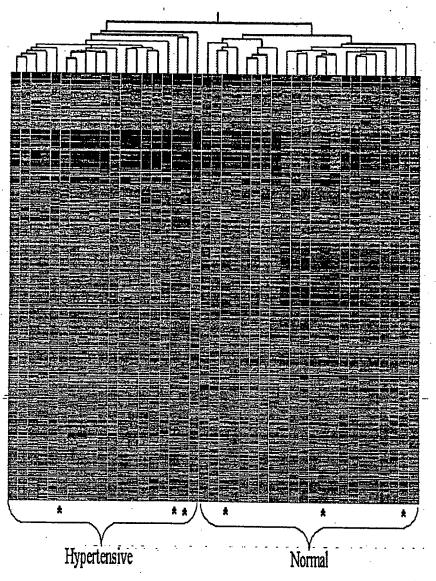


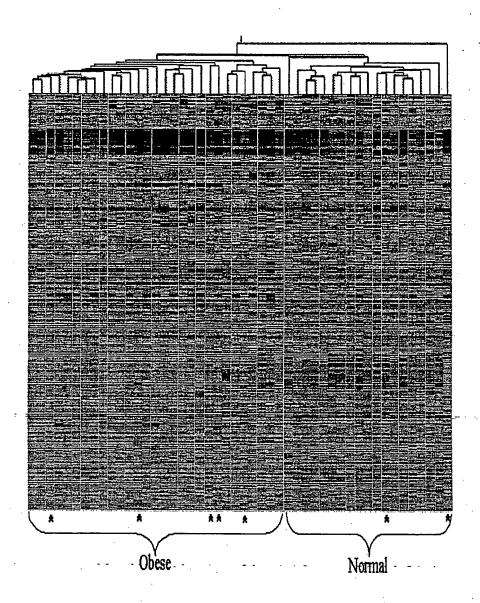
Figure 8
Hypertension



Hypertensive: 19

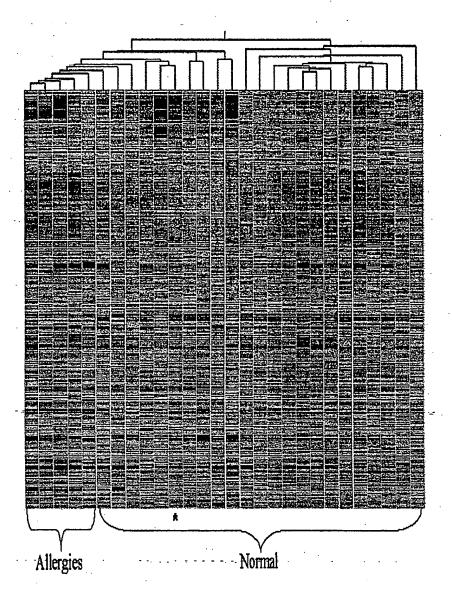
Normal: 22

Figure 9
Obesity



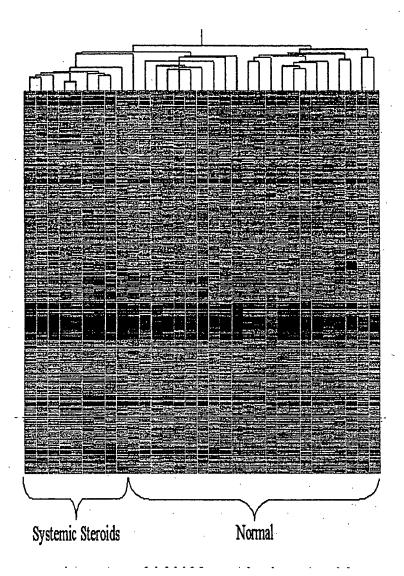
Obese: 25 Normal: 22

Figure 10 Allergies



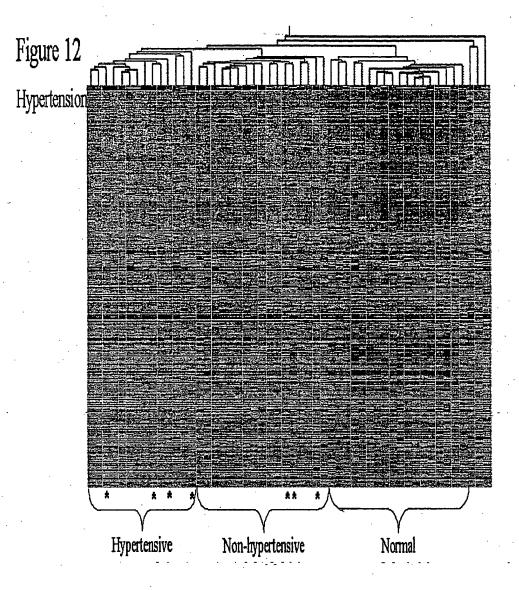
Allergies: 6
Normal: 22
Differentially Expressed Genes (p<0.05): 633

Figure 11
Systemic
Steroids

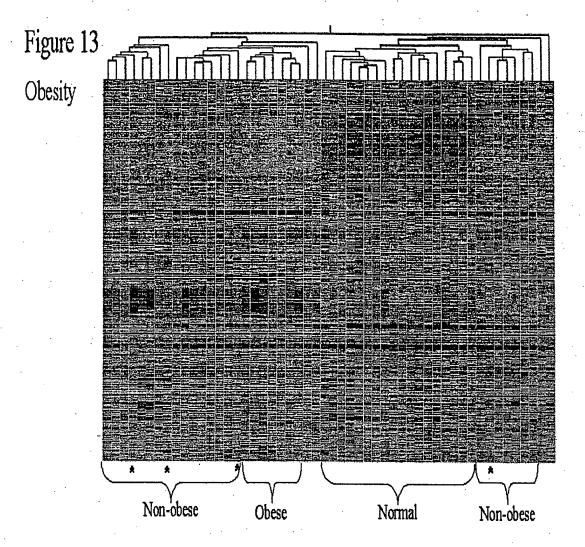


Systemic Steroids: 9

Normal: 22



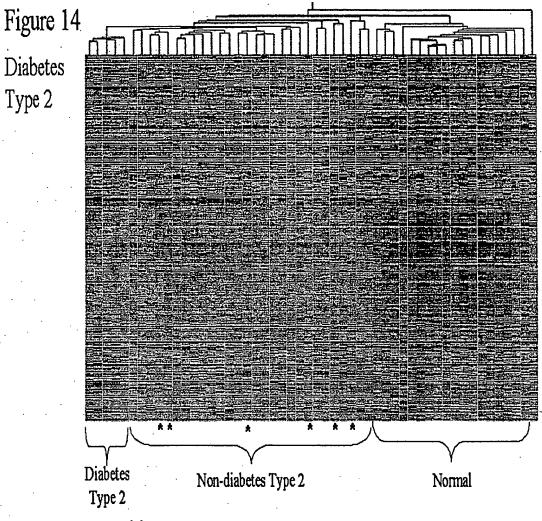
Hypertensive: 10
Non-hypertensive: 18
Normal: 24
Differentially Expressed Genes (p<0.05): 1,993



Obese: 8

Non-obese: 20

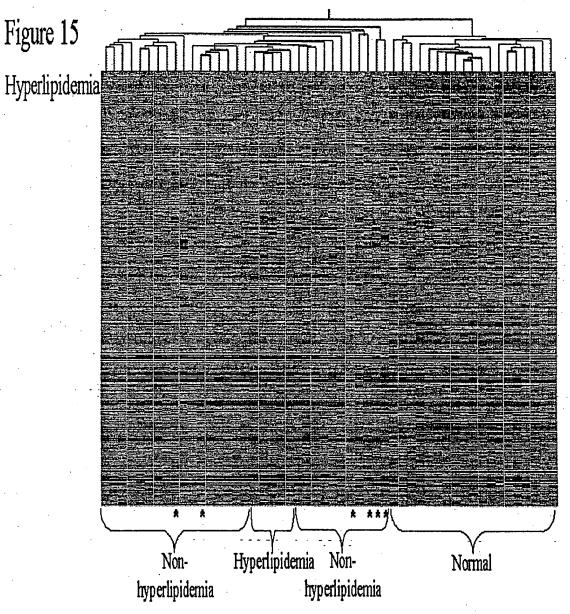
Normal: 24



Diabetes Type 2: 5

Non-diabetes Type 2: 23

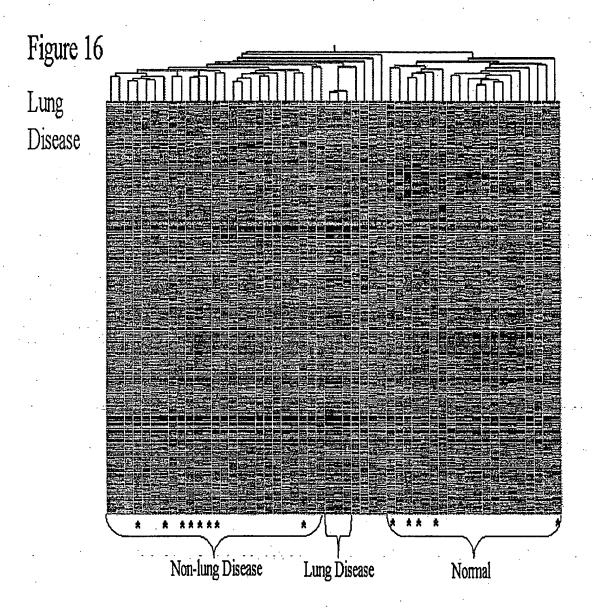
Normal: 24



Hyperlipidemia: 7

Non-hyperlipidemia: 21

Normal: 24

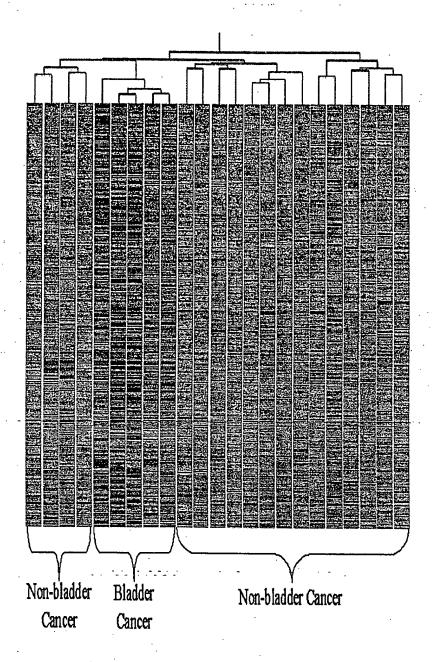


Lung Disease: 3

Non-lung Disease: 25

Normal: 24

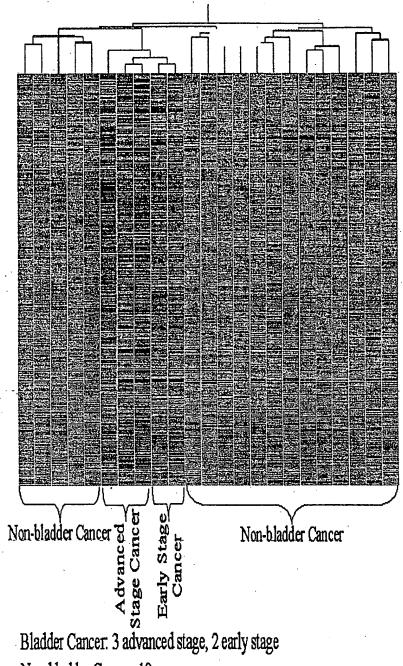
Figure 17
Bladder
Cancer



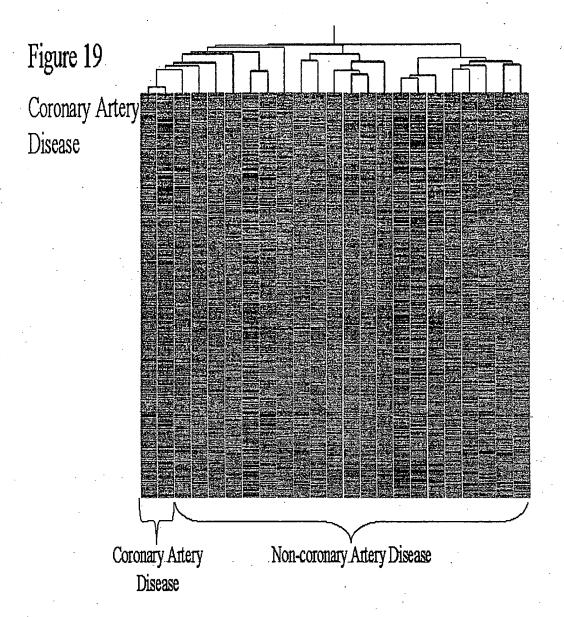
Bladder Cancer: 5 Non-bladder Cancer: 18

Figure 18

Bladder Cancer



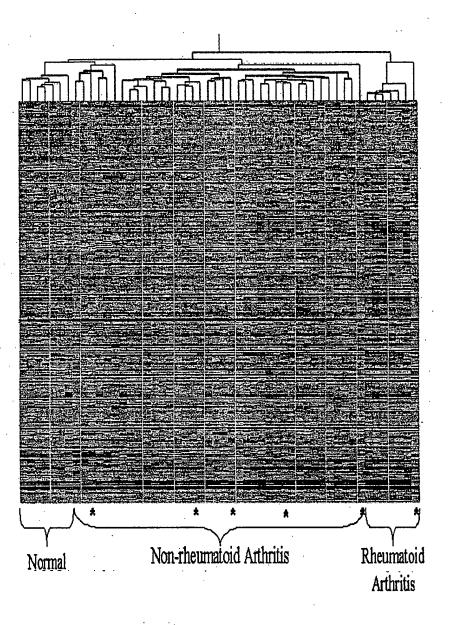
Non-bladder Cancer: 18



Coronary Artery Disease: 2

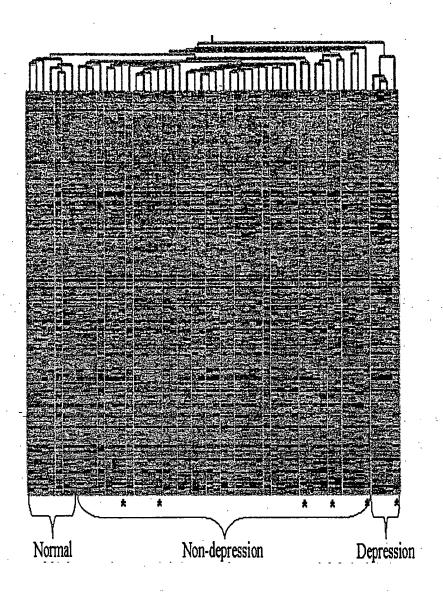
Non-coronary Artery Disease: 21

Figure 20
Rheumatoid
Arthritis



Rheumatoid Arthritis: 6
Non-rheumatoid Arthritis: 34
Normal: 12
Differentially Expressed Genes (p<0.05): 2,068

Figure 21
Depression



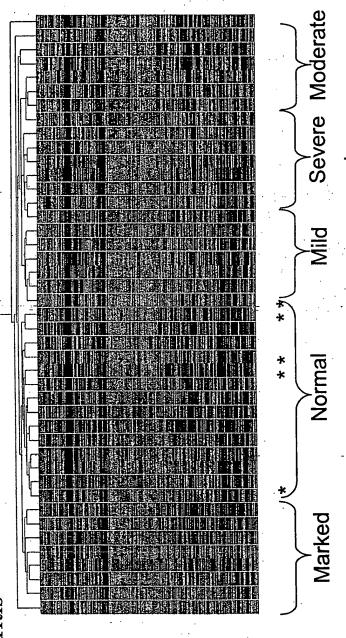
Depression: 3

Non-depression: 37

Normal: 12

Differentially Expressed Genes (p<0.05): 941

Figure 22 Osteoarthritis



Osteoarthritis: 9 mild, 8 moderate, 8 marked, 9 severe Normal: 9

RT-PCR of overexpressed genes in CAD peripheral blood cells identified using microarray experiments, Figure 23

including PBP, PF4 and F13A.

Marker Contr. 1 Contr. 2 Contr. 3 CAD1 CAD2 CAD3 CAD4

Figure 24

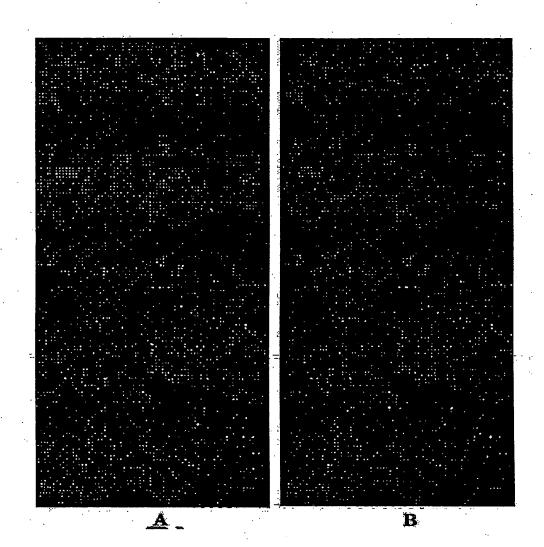
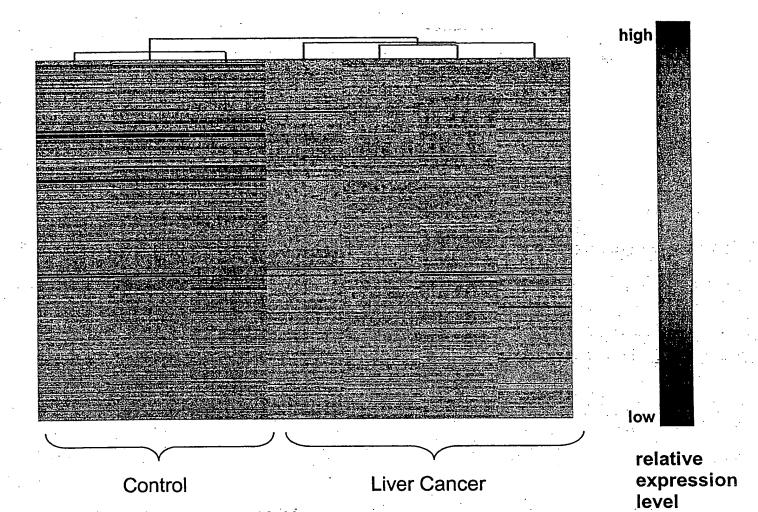
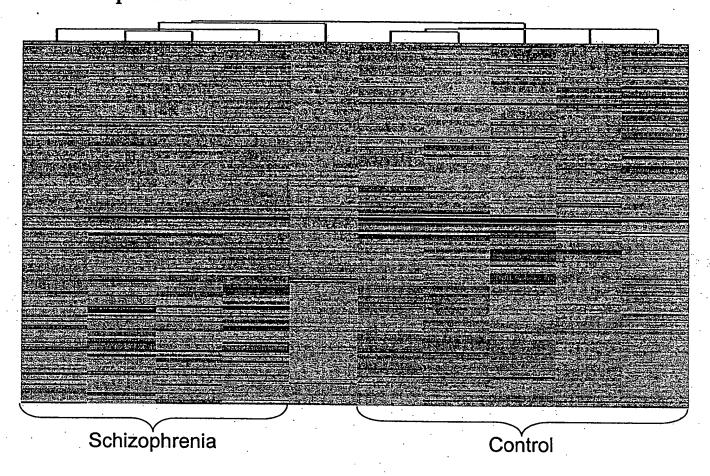


Figure 25
Liver Cancer



Control (red): n=3; Liver Cancer (orange): n=4

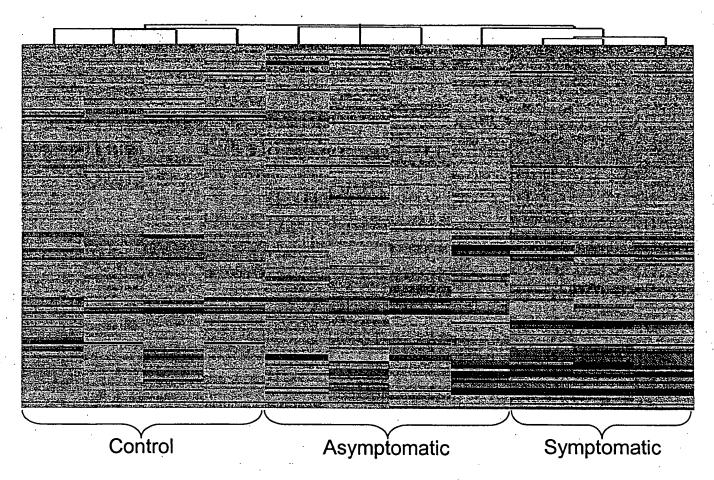
Figure 26
Schizophrenia



Control (red): n=6; Schizophrenia (orange): n=4

p<0.005 252 genes

Figure 27 Chagas Disease

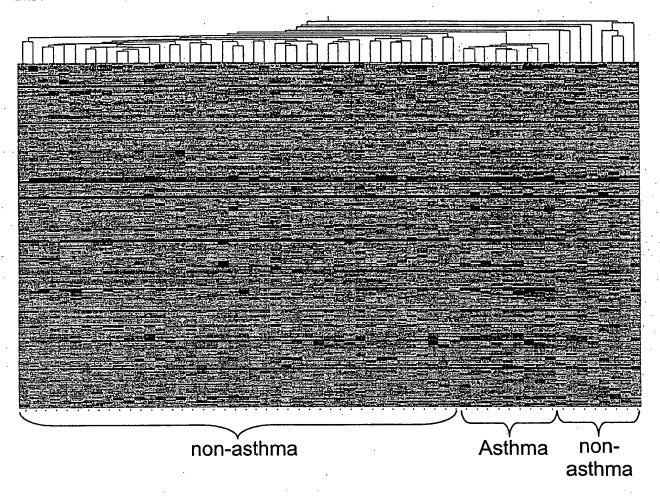


Control (orange): n=4; Chagas' asympt. (red): n=4; Chagas' sympt. (yellow): n=3

p<0.01 155 genes

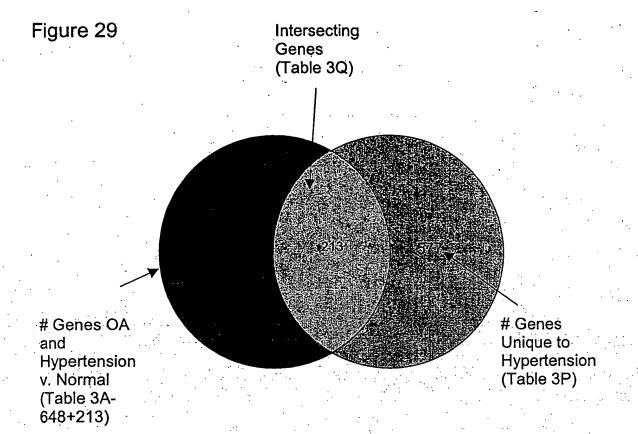
Figure 28

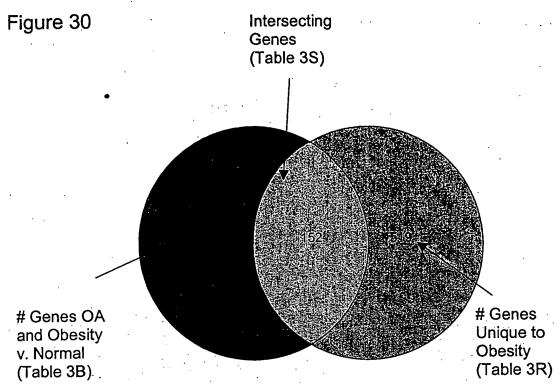
Asthma



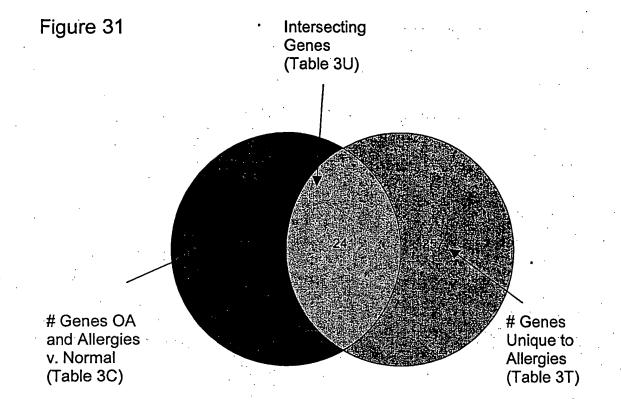
Asthma: n=9 Non-asthma: n=50

p<0.05 219 genes





Genes OA and Obesity v. Normal (Table 3B)



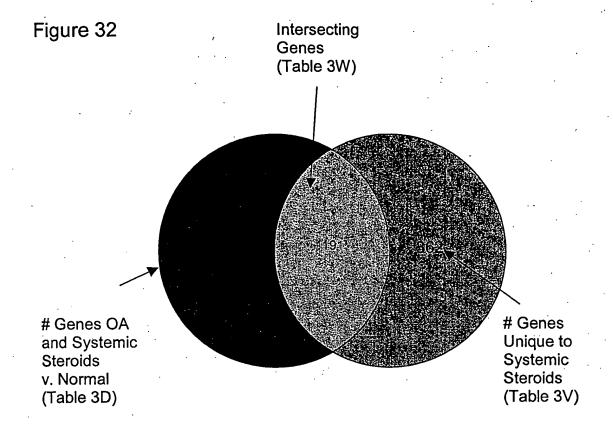
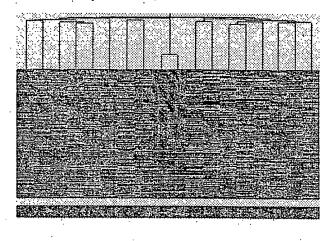


Figure 33

Schizophrenia, Batch 2 vs. MDS

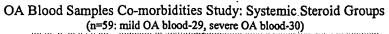


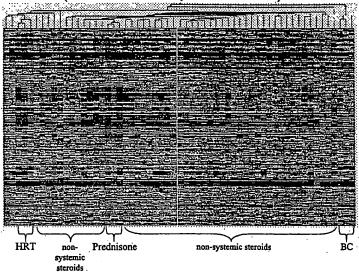
Schizophrenia (yellow): n=16; MDS (blue): n=2

p<0.05 294 genes

MDS = Manic Depression Syndrome

Figure 34





Systemic Steroids (n=9): 3 prednisone, 3 birth control, 3 hormone replacement therapy Non-systemic steroids: 50
Differentially Expressed Genes (p<0.05): 396

HRT = hormone replacement therapy; BC = birth control